

## **PATENT ABSTRACTS OF JAPAN**

(11)Publication number : **02-068414**

(43)Date of publication of application : **07.03.1990**

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(51)Int.Cl.

**F23G 7/06**

**B01D 47/00**

**B01D 47/14**

**F23G 5/44**

**F23J 15/00**

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(21)Application number : **63-218389**

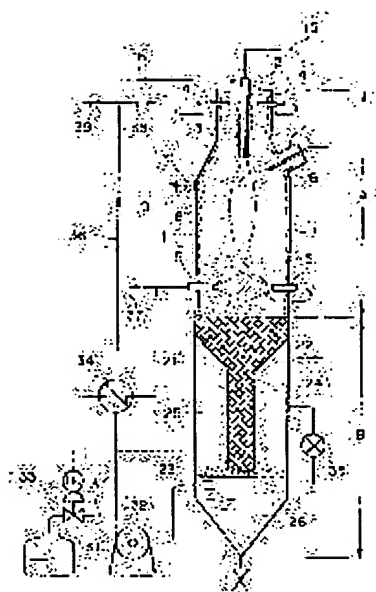
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(22)Date of filing : **02.09.1988**

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(54) **COMBUSTION TREATMENT OF POISONOUS GAS AND ITS DEVICE**



(57)Abstract:

PURPOSE: To remove solid minute powder that is poisonous efficiently at a high removal rate by leading to a vapor-liquid separator the water and combustion gas being collected and absorbed solid minute powder formed by the combustion treatment and subjecting them to vapor and liquid separation.

CONSTITUTION: The solid minute powder that is formed by the combustion treatment of a poisonous gas is caught and absorbed by the water film 11 that is formed on the wall of a furnace and at the same time the powder is caught and absorbed by the water drops that are jetted out from a spray nozzle 5. The water and combustion gas that caught and absorbed the solid minute powder are sent to a vapor and liquid separator B to which the water and combustion gas are directly connected and the solid minute powder that is left in the combustion

gas is caught further by a filling layer 24 and then the vapor and liquid are separated. The separated combustion gas is discharged outside from space section 25 through an exhaust pipe 22.

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## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]